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Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys Leu
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Leu Thr Pro Ile Ala Ala Val His Gly Arg Trp Ser Ser Trp Gly Pro
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Arg Ser Pro Cys Ser Arg Ser Cys Gly Gly Gly Val Val Thr Arg Arg
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Arg Gln Cys Asn Asn Pro Arg Pro Ala Phe Gly Gly Arg Ala Cys Val
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Ala Val Pro His Ser Gln Gly Asp Ala Leu Cys Arg His Met Cys Arg
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Ala Ile Gly Glu Ser Phe Ile Met Lys Arg Gly Asp Ser Phe Leu Asp
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Leu Cys Val Ser Gly Ser Cys Arg Thr Phe Gly Cys Asp Gly Arg Met
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Asp Ser Gln Gln Val Trp Asp Arg Cys Gln Val Cys Gly Gly Asp Asn
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Ser Thr Cys Ser Pro Arg Lys Gly Ser Phe Thr Ala Gly Arg Ala Arg
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Glu Tyr Val Thr Phe Leu Thr Val Thr Pro Asn Leu Thr Ser Val Tyr
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Ile Ala Asn His Arg Pro Leu Phe Thr His Leu Ala Val Arg Ile Gly
 260 265 270

Gly Arg Tyr Val Val Ala Gly Lys Met Ser Ile Ser Pro Asn Thr Thr
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Tyr Pro Ser Leu Leu Glu Asp Gly Arg Val Glu Tyr Arg Val Ala Leu
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Thr Glu Asp Arg Leu Pro Arg Leu Glu Glu Ile Arg Ile Trp Gly Pro
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Leu Gln Glu Asp Ala Asp Ile Gln Val Gly Gly Val Arg Ala Gln Leu
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Ser Leu Arg Arg Arg Ser Leu Cys Trp Pro Pro Thr Ser Ala Pro Ala
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Ala Gly Arg Glu Leu Leu Phe Pro Leu Thr Lys Gly His Ala Ser Lys
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Arg Phe His Pro Arg Ala His Ser Ser Val Pro Pro Pro Pro Gly Val
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His Pro Gly Thr Glu Pro Gly Leu Ser Arg Ala Leu Ser Gln Arg Met
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Thr Gly Ala Leu Val Trp Asp Pro Pro Arg Pro Gln Pro Gly Ser Ala
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Gly His Pro Arg Asn Ala His Leu Gly Leu Tyr Tyr Ser Ala Asn Glu
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Gln Cys Arg Val Ala Phe Gly Pro Lys Ala Val Ala Cys Thr Phe Ala
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Arg Glu His Leu Val Ser Leu Pro Ala Val Ala Trp Asp Trp Leu Xaa
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Gly Pro Ser Ala Ser Pro Ser Ser Arg Pro Pro Lys Arg Ala Trp Ile
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Cys Ala Arg Pro Ser Pro Ala Thr Gln Thr Arg Trp Thr Lys Ala Ala
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Ala Ala Ala Ser Ser Phe Leu Ser Trp Met Gly Gln Asn Val Ala Trp
225 230 235 240

Arg Ser Gly Ala Pro Arg Val Ala Ala Ala Pro Trp Trp Ser Xaa Pro
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Pro Xaa Gln Gln Cys Met Gly Ala Gly Leu Ala Gly Val Pro Glu Val
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Leu Ala Pro Ala Pro Ala Glu Glu Val Trp Ser Pro Gly Gly Gly Ser
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Ala Thr Thr Pro Asp Leu Pro Leu Gly Gly Val His Val Leu Val Leu
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Thr Ser Arg Pro Arg Cys Ala Thr Leu Arg Pro Ala Arg Arg Pro Ser
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Trp Ser Ser Cys Arg Asn Ser Ala Pro Gly Pro Thr Ala Ser Arg Cys
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Ala Pro Pro Leu Ala Ala Pro Pro Ser Thr Thr Gly Val Leu Leu Tyr
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 <211> 1427
 <212> PRT
 <213> homo sapiens

<400> 8

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Gly Ile Leu Ala Cys Gly Phe Leu Leu Gly Cys Trp Gly Pro Ser His
20 25 30

Phe Gln Gln Ser Cys Leu Gln Ala Leu Glu Pro Gln Ala Val Ser Ser
35 40 45

Tyr Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly
50 55 60

Phe Gln Arg Gln Arg Gln Arg Gln Arg Arg Ala Ala Gly Gly Ile Leu
65 70 75 80

His Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His
85 90 95

Gln Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala
100 105 110

Glu Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu
115 120 125

Val Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr
130 135 140

Ala Asn Leu Thr Ser Ser Leu Leu Ser Val Cys Gly Trp Ser Gln Thr
145 150 155 160

Ile Asn Pro Glu Asp Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu
165 170 175

Tyr Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val
180 185 190

Arg Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys
195 200 205

Leu Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His
210 215 220

Glu Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser
225 230 235 240

Gly Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro
245 250 255

Arg Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser
260 265 270

Leu Leu Ser Ala Gly Arg Ala Arg Cys Val Trp Asp Pro Pro Arg Pro
275 280 285

Gln Pro Gly Ser Ala Gly His Pro Pro Asp Ala Gln Pro Gly Leu Tyr
290 295 300

Tyr Ser Ala Asn Glu Gln Cys Arg Val Ala Phe Gly Pro Lys Ala Val
305 310 315 320

Ala Cys Thr Phe Ala Arg Glu His Leu Asp Met Cys Gln Ala Leu Ser
325 330 335

Cys His Thr Asp Pro Leu Asp Gln Ser Ser Cys Ser Arg Leu Leu Val
340 345 350

Pro Leu Leu Asp Gly Thr Glu Cys Gly Val Glu Lys Trp Cys Ser Lys
355 360 365

Gly Arg Cys Arg Ser Leu Val Glu Leu Thr Pro Ile Ala Ala Val His
370 375 380

Gly Arg Trp Ser Ser Trp Gly Pro Arg Ser Pro Cys Ser Arg Ser Cys
385 390 395 400

Gly Gly Gly Val Val Thr Arg Arg Arg Gln Cys Asn Asn Pro Arg Pro
405 410 415

Ala Phe Gly Gly Arg Ala Cys Val Gly Ala Asp Leu Gln Ala Glu Met
420 425 430

Cys Asn Thr Gln Ala Cys Glu Lys Thr Gln Leu Glu Phe Met Ser Gln
435 440 445

Gln Cys Ala Arg Thr Asp Gly Gln Pro Leu Arg Ser Ser Pro Gly Gly
450 455 460

Ala Ser Phe Tyr His Trp Gly Ala Ala Val Pro His Ser Gln Gly Asp
465 470 475 480

Ala Leu Cys Arg His Met Cys Arg Ala Ile Gly Glu Ser Phe Ile Met
485 490 495

Lys Arg Gly Asp Ser Phe Leu Asp Gly Thr Arg Cys Met Pro Ser Gly
500 505 510

Pro Arg Glu Asp Gly Thr Leu Ser Leu Cys Val Ser Gly Ser Cys Arg
515 520 525

Thr Phe Gly Cys Asp Gly Arg Met Asp Ser Gln Gln Val Trp Asp Arg
530 535 540

Cys Gln Val Cys Gly Gly Asp Asn Ser Thr Cys Ser Pro Arg Lys Gly
545 550 555 560

Ser Phe Thr Ala Gly Arg Ala Arg Glu Tyr Val Thr Phe Leu Thr Val
565 570 575

Thr Pro Asn Leu Thr Ser Val Tyr Ile Ala Asn His Arg Pro Leu Phe
580 585 590

Thr His Leu Ala Val Arg Ile Gly Gly Arg Tyr Val Val Ala Gly Lys
595 600 605

Met Ser Ile Ser Pro Asn Thr Thr Tyr Pro Ser Leu Leu Glu Asp Gly
610 615 620

Arg Val Glu Tyr Arg Val Ala Leu Thr Glu Asp Arg Leu Pro Arg Leu
625 630 635 640

Glu Glu Ile Arg Ile Trp Gly Pro Leu Gln Glu Asp Ala Asp Ile Gln
645 650 655

Val Tyr Arg Arg Tyr Gly Glu Glu Tyr Gly Asn Leu Thr Arg Pro Asp
660 665 670

Ile Thr Phe Thr Tyr Phe Gln Pro Lys Pro Arg Gln Ala Trp Val Trp
675 680 685

Ala Ala Val Arg Gly Pro Cys Ser Val Ser Cys Gly Ala Gly Leu Arg
690 695 700

Trp Val Asn Tyr Ser Cys Leu Asp Gln Ala Arg Lys Glu Leu Val Glu
705 710 715 720

Thr Val Gln Cys Gln Gly Ser Gln Gln Pro Pro Ala Trp Pro Glu Ala
725 730 735

Cys Val Leu Glu Pro Cys Pro Pro Tyr Trp Ala Val Gly Asp Phe Gly
740 745 750

Pro Cys Ser Ala Ser Cys Gly Gly Gly Leu Arg Glu Arg Pro Val Arg
755 760 765

Cys Val Glu Ala Gln Gly Ser Leu Leu Lys Thr Leu Pro Pro Ala Arg
770 775 780

Cys Arg Ala Gly Ala Gln Gln Pro Ala Val Ala Leu Glu Thr Cys Asn
785 790 795 800

Pro Gln Pro Cys Pro Ala Arg Trp Glu Val Ser Glu Pro Ser Ser Cys
805 810 815

Thr Ser Ala Gly Gly Ala Gly Leu Ala Leu Glu Asn Glu Thr Cys Val
820 825 830

Pro Gly Ala Asp Gly Leu Glu Ala Pro Val Thr Glu Gly Pro Gly Ser
835 840 845

Val Asp Glu Lys Leu Pro Ala Pro Glu Pro Cys Val Gly Met Ser Cys
850 855 860

Pro Pro Gly Trp Gly His Leu Asp Ala Thr Ser Ala Gly Glu Lys Ala
865 870 875 880

Pro Ser Pro Trp Gly Ser Ile Arg Thr Gly Ala Gln Ala Ala His Val
885 890 895

Trp Thr Pro Ala Ala Gly Ser Cys Ser Val Ser Cys Gly Arg Gly Leu
900 905 910

Met Glu Leu Arg Phe Leu Cys Met Asp Ser Ala Leu Arg Val Pro Val
915 920 925

Gln Glu Glu Leu Cys Gly Leu Ala Ser Lys Pro Gly Ser Arg Arg Glu
930 935 940

Val Cys Gln Ala Val Pro Cys Pro Ala Arg Trp Gln Tyr Lys Leu Ala
945 950 955 960

Ala Cys Ser Val Ser Cys Gly Arg Gly Val Val Arg Arg Ile Leu Tyr
965 970 975

Cys Ala Arg Ala His Gly Glu Asp Asp Gly Glu Glu Ile Leu Leu Asp
980 985 990

Thr Gln Cys Gln Gly Leu Pro Arg Pro Glu Pro Gln Glu Ala Cys Ser
995 1000 1005

Leu Glu Pro Cys Pro Pro Arg Trp Lys Val Met Ser Leu Gly Pro
1010 1015 1020

Cys Ser Ala Ser Cys Gly Leu Gly Thr Ala Arg Arg Ser Val Ala
1025 1030 1035

Cys Val Gln Leu Asp Gln Gly Gln Asp Val Glu Val Asp Glu Ala
1040 1045 1050

Ala Cys Ala Ala Leu Val Arg Pro Glu Ala Ser Val Pro Cys Leu
1055 1060 1065

Ile Ala Asp Cys Thr Tyr Arg Trp His Val Gly Thr Trp Met Glu
1070 1075 1080

Cys Ser Val Ser Cys Gly Asp Gly Ile Gln Arg Arg Arg Asp Thr
1085 1090 1095

Cys Leu Gly Pro Gln Ala Gln Ala Pro Val Pro Ala Asp Phe Cys
1100 1105 1110

Gln His Leu Pro Lys Pro Val Thr Val Arg Gly Cys Trp Ala Gly
1115 1120 1125

Pro Cys Val Gly Gln Gly Thr Pro Ser Leu Val Pro His Glu Glu
1130 1135 1140

Ala Ala Ala Pro Gly Arg Thr Thr Ala Thr Pro Ala Gly Ala Ser
1145 1150 1155

Leu Glu Trp Ser Gln Ala Arg Gly Leu Leu Phe Ser Pro Ala Pro
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Gln Pro Arg Arg Leu Leu Pro Gly Pro Gln Glu Asn Ser Val Gln
1175 1180 1185

Ser Ser Ala Cys Gly Arg Gln His Leu Glu Pro Thr Gly Thr Ile
1190 1195 1200

Asp	Met	Arg	Gly	Pro	Gly	Gln	Ala	Asp	Cys	Ala	Val	Ala	Ile	Gly
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Arg	Pro	Leu	Gly	Glu	Val	Val	Thr	Leu	Arg	Val	Leu	Glu	Ser	Ser
1220						1225					1230			
Leu	Asn	Cys	Ser	Ala	Gly	Asp	Met	Leu	Leu	Leu	Trp	Gly	Arg	Leu
1235						1240					1245			
Thr	Trp	Arg	Lys	Met	Cys	Arg	Lys	Leu	Leu	Asp	Met	Thr	Phe	Ser
1250						1255					1260			
Ser	Lys	Thr	Asn	Thr	Leu	Val	Val	Arg	Gln	Arg	Cys	Gly	Arg	Pro
1265						1270					1275			
Gly	Gly	Gly	Val	Leu	Leu	Arg	Tyr	Gly	Ser	Gln	Leu	Ala	Pro	Glu
1280						1285					1290			
Thr	Phe	Tyr	Arg	Glu	Cys	Asp	Met	Gln	Leu	Phe	Gly	Pro	Trp	Gly
1295						1300					1305			
Glu	Ile	Val	Ser	Pro	Ser	Leu	Ser	Pro	Ala	Thr	Ser	Asn	Ala	Gly
1310						1315					1320			
Gly	Cys	Arg	Leu	Phe	Ile	Asn	Val	Ala	Pro	His	Ala	Arg	Ile	Ala
1325						1330					1335			
Ile	His	Ala	Leu	Ala	Thr	Asn	Met	Gly	Ala	Gly	Thr	Glu	Gly	Ala
1340						1345					1350			
Asn	Ala	Ser	Tyr	Ile	Leu	Ile	Arg	Asp	Thr	His	Ser	Leu	Arg	Thr
1355						1360					1365			
Thr	Ala	Phe	His	Gly	Gln	Gln	Val	Leu	Tyr	Trp	Glu	Ser	Glu	Ser
1370						1375					1380			
Ser	Gln	Ala	Glu	Met	Glu	Phe	Ser	Glu	Gly	Phe	Leu	Lys	Ala	Gln
1385						1390					1395			
Ala	Ser	Leu	Arg	Gly	Gln	Tyr	Trp	Thr	Leu	Gln	Ser	Trp	Val	Pro
1400						1405					1410			
Glu	Met	Gln	Asp	Pro	Gln	Ser	Trp	Lys	Gly	Lys	Glu	Gly	Thr	
1415						1420					1425			